T28C

Troubleshooting Guide

The unit does not operate
- The AC power cord is not connected.
- No batteries in battery compartment.
- Batteries installed incorrectly.
- Weak battery. Replace all batteries.

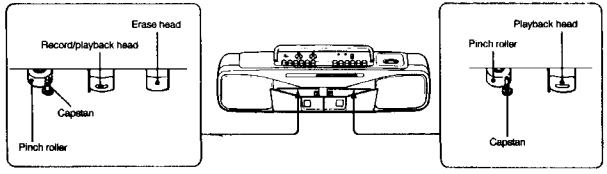
Cassette cannot be inserted
- Cassette is being inserted improperly.
- PLAY is depressed.

●REC cannot be depressed.
- No cassette in deck B.
- The cassette inserted has tab removed, use other cassette or cover slot with plastic tape.

Tape doesn't move
- PAUSE is depressed.

No sound from speakers.
- Headphones are plugged in.
- The VOLUME control is turned down completely.
- The FUNCTION selector setting is incorrect.

Poor playback, recording or erase quality.
- Dirty heads. Clean the illustrated portions with cotton swab lightly moistened with cleaning fluid or denatured alcohol.
- Demagnetize the heads and all metal parts in the tape path with a commercially available head demagnetizer.



Specifications

Audio power specifications

POWER OUTPUT AND TOTAL HARMONIC DISTORTION
With 3.2-ohm loads, both channels driven, from 150 to 10,000Hz; rated 1.5W per channel minimum, RMS power, with no more than 10% total harmonic distortion in AC operation.

Other specifications

Frequency range	FM 87.5-108 MHz AM 530-1,710 KHz
Recording system	4-track, 2-channel stereo
Frequency response	90-10,000 Hz
Speakers	Full-range: 10 cm (4 inches) dia. × 2
Power output	2.3W+2.3W (with 10% harmonic distortion; DC operation)
Output	Headphones jack (stereo minijack) for 16-68 ohm impedance headphones
Power requirements	Australian model: 240V AC, 50Hz Model for other countries: 120V AC, 60Hz 9V DC, six size C (R14) batteries
Power consumption	14W in AC operation

Battery life

Batteries	FM recording
Sony SUM-2 (NS)	Approx. 4 hours
Sony AM2 alkaline	Approx. 8 hours

Dimensions	Approx. 566 × 151 × 153.5mm (w/h/d) (22⅜ × 6 × 6⅛ inches) incl. projecting parts and controls, not incl. handle
Weight	Approx. 2.9kg (6lb 6oz) incl. batteries
Accessory supplied	AC power cord (1)
Optional accessories	Sony "MDR" headphone series Cassette eraser BE-A200, BE-9H

Design and specifications subject to change without notice.

SONY

3-751-913-23 (1) T28

Radio Cassette-Corder

CFS-W304

Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Owner's Record

The model number is located on the bottom, and the serial number is located in the battery compartment. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. CFS-304 Serial No. _____

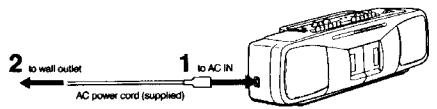
Sony Corporation © 1990 Printed in Malaysia

T28C

Power Sources

House current

Connect the supplied AC power cord to the AC IN jack.

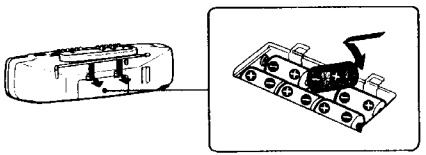


Note

Use only the recommended AC power cord manufactured by Sony. Polarity of the plugs of other manufacturers may be different.

Batteries

Insert six size C (R14) batteries.

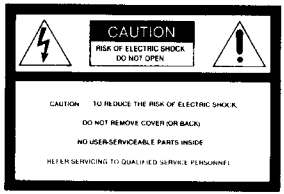


Note

- The unit cannot be operated on the internal batteries when the AC power cord is connected to the unit.
- When OPR/BATT indicator glows faintly, replace all batteries.
- For critical recording, operating the unit on AC power is recommended.

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Precautions

T2R

Notes on Power Sources.

- Use six size C (R14) batteries or, for AC operation, the supplied AC power cord.
- Remove batteries when not in use to avoid damage from battery leakage.
- Power is supplied to the unit as long as it is connected to the wall outlet, even when the unit is turned off. Unplug the unit when not in use.

Handling the Unit

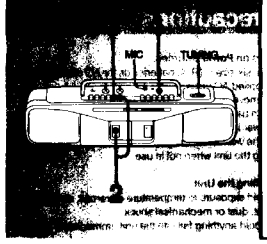
- Avoid exposure to temperature extremes, direct sunlight, dust or mechanical shock.
- Should anything fall into the unit, immediately unplug the unit (or remove batteries) and have it checked by qualified personnel before operating it again.
- Do not lift the handle when the telescopic antenna is extended.
- When the unit has not been used for a long time, set it in the playback mode for several minutes before inserting a cassette.

Note on Cassette

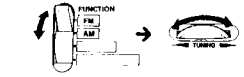
Use of cassettes longer than 90 minutes is not recommended except for long continous recording or playback.

If you have any question or problem concerning your unit that is not covered in this manual, please consult your nearest Sony dealer.

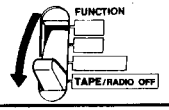
Recording (deck B only)



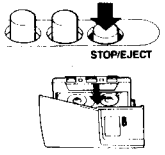
1 From radio



From built-in mic



2 Insert a blank cassette.



3

PLAY is pressed automatically.

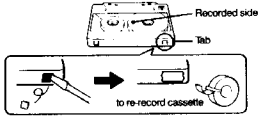
To stop recording

When the tape reaches the end
● REC and PLAY are released automatically.

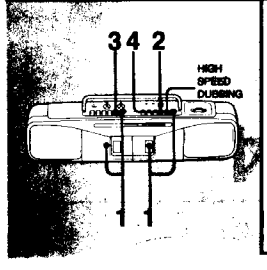
No volume adjustment is necessary
Recording level is automatically set. Volume adjustments will not affect recording level.

Note:
While recording, avoid pressing the FF/REW/PLAY button of deck A to assure stable recording.

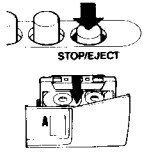
To prevent accidental erasure
Break off the tab corresponding to the side which has been recorded. Recording on that side will be protected.



Tape Dubbing (deck A to deck B)



1 Insert recorded tape in A, blank tape in B.



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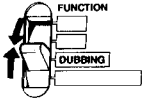

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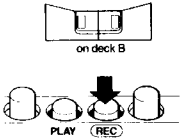
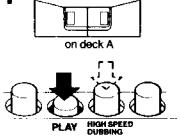


Unit will stand by.

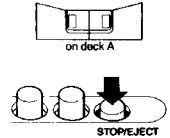
4



Recording will start.

For dubbing with high speed, press HIGH SPEED DUBBING on deck A.

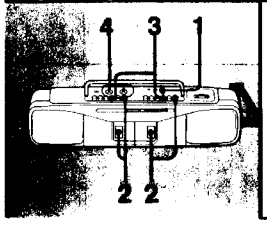
To stop recording



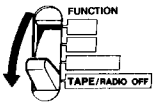
Both decks will stop.

Notes on dubbing
- If deck A's tape finishes first, deck B will also stop. (Manually press ■ ⏏ to release locked buttons.)
- If deck B's tape finishes first, deck A will continue to play.

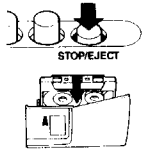
Tape Playback (either deck)



1



2 Insert a cassette



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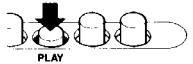
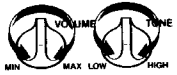


4 Adjust VOLUME and TONE, if necessary.



To stop playback

To pause: Press ❚❚
To release pause, press ❚❚ again.
To wind the tape: Press ◀◀.
To rewind the tape: Press ▶▶.

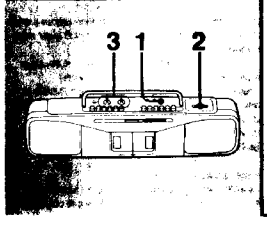
For private listening
Connect stereo headphones to ∩ jack.

When both decks A and B are in the playback mode, only playback from deck B will be audible.

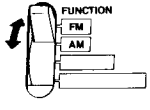
When the unit is in use, OPR/BATT (operation/battery) indicator lights. Intensity of glow shows battery level.

Note:
During playback, avoid pressing the FF/REW/PLAY buttons of the other deck since the playback speed may vary.

Listening to the Radio

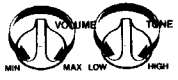


1 Select the desired band.

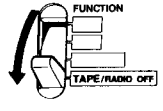


2 Tune in a desired station.

3 Adjust VOLUME and TONE, if necessary

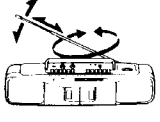


To turn off the radio



Antenna adjustment

FM



AM